

# Robert Hall

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## Skills

AWS (Lambda, Step Functions, CloudFormation, S3, DynamoDB, etc), Java, Python, Ruby, JavaScript, object oriented design, agile development, Linux (Ubuntu), bash, PostgreSQL, git, Docker, Kubernetes

## Experience

May 2020 - Present

### **Climate Corporation, Seattle** – *Senior Software Engineer*

- Improved ETL pipelines using big data technologies Spark/Hive/etc

Sept 2019 - April 2020

### **Nordstrom, Seattle** – *Senior Software Engineer*

- Quickly ramped up to become domain expert for experiences and services owned by my team.
- Owned the operational strategy for rolling out in-store digital experiences for Nordstrom's NYC Flagship opening, resulting in a successful store opening that was critical to Nordstrom's business goals.
- Took on a Tech Lead role, mentoring a group of junior developers to design and deliver new internal tools. I especially enjoyed teaching junior developers about AWS technologies, Java best practices, and adopting a dev/ops mindset.

May 2017 - July 2019

### **AWS, Seattle** – *Software Development Engineer II*

- Implemented the Search-by-AMI capability for <https://aws.amazon.com/marketplace>
- Independently made myself the subject matter expert on my team of a complex, critical internal service within AWS Marketplace and our sister team, Service Catalog. I leveraged my expertise in this area to fix insidious bugs and ship features for Service Catalog.
- Raised the bar for operational excellence on my team, leading by example. Drilled down to root cause operational issues, resulting in reduced ticket volume.
- Designed and delivered key components to the platform that replaced our legacy service. I designed how the platform provisions AWS Elasticsearch domains that now store our search documents. I also owned the creation of the backend workflow responsible for ingressing search documents into the new platform, using AWS technologies: Step Functions, Lambda, CloudFormation, DynamoDB, S3, and more.

September 2011 - May 2017

**Vaisala, Seattle** - *Software Development Engineer*

- Delivered real-time energy forecasts for solar & wind farms
- Collaborated with atmospheric scientists and machine learning specialists to improve forecast accuracy
- Scaled our data storage: we moved from an RDBMS to a NoSQL solution
- Developed internal tools to help Forecast Analysts engage with clients
- Shipped front-end visualization tool for complex TimeSeries data using d3
- Debugged issues in large, complex, legacy code base

## Education

**Western Washington University, Bellingham** - *B.S., Computer Science*

## Personal Projects

To view some side projects of mine, see: <https://b.obhall.com>. Most of the source is available at <https://github.com/bobhall>